

CUWA - Solicitation 1 (1995) -- no projects relevant to Delta

CUWA - Solicitation 2 (September 1996)

Title	Applicant(s)	Description	Funding	Status
Sherman Island Levee Habitat Demonstration Project	DWR RD 341	Construct 2.5-acre in-channel island using dredge material stored on Sherman Island.	\$960,000	Design complete. Applicants looking for additional funding.
Predicting the Evolution of Ecological Functions from Restoration of Diked Wetlands in the Delta	University of Washington	Two-year study will compare both naturally- and artificially-breached diked wetland sites to evaluate the rate, pattern, and long-term success of breached-dike restoration (as compared to natural marsh sites).	\$575,172	Additional \$100,172 to increase field work and include an element for bird habitat. Project nearing completion.

Yolo Bypass Habitat Restoration	DWR	Study to provide data and technical recommen-	\$256,000	Project is complete.
Study		dations on Bypass modifications, due to strong		Final report pending.
		evidence of mortality to salmon and other species		
		from stranding.		
Decker Island Tidal Wetland	Port of Sacramento	Establish 35-40 acres of tidal wetland on	\$399,000	Funding terminated.
Enhancement Pilot Project		Decker Island, and improve habitat on the		
		remainder of the 70-acre site.		
Inventory of Rearing Habitat for	CSU Sacramento	Conduct a survey of rearing habitat for juvenile	\$24,500	Project complete Nov-99
Juvenile Salmon in the North		salmon in the north Delta. Attempt to distin-		Final report available.
Delta and Lower Sacramento and Cosumnes Rivers		guish races of juvenile salmon.		
Prospect Island Habitat Restoration	Corps of Engineers	Purchase Prospect Island and restore 1,300	\$2,500,000	Revised FONSI May-00.
Project	DWR	acres of shallow water, tidal wetlands, and aquatic		Under evaluation. Note:
		habitat. (The \$2.5 million in Category III funds		<i>CEQA/NEPA litigation</i>
		approved for this project consists of \$1.25 million		<i>pending.</i>
		for construction of the project and \$1.25 million		
		for long-term operations and maintenance.)		

Title	Applicant(s)	Description	Funding	Status
Prospect Island Monitoring Plan	DWR	Develop post-project monitoring plan for the	\$35,000	Project complete.
		Prospect Island project.		
Introduction of Non-Indigenous	San Francisco	Develop regional monitoring program to provide	\$197,000	Project complete.
Aquatic Species Research Program	Estuarine Institute	early warning for eradication of mitigation. Assess		
		priority for control of nonindigenous marsh plants.		
		Public outreach on ballast water invasions.		
		Examine post-invasion control mechanisms.		
Cosumnes River Preserve	TNC	Acquire 4,356-acre Valensin Ranch property.	\$12,000,000	Project complete.
Acquisition				(Escrow closed Dec-96.)

CALFED - Solicitation 1 (July 1997)

Title	Applicant(s)	Description	Funding	Status
Hastings Tract Fish Screen	Hastings Island	Feasibility report on the installation of fish	\$27,000	Final contract pending
Feasibility Study	Land Company	screens on gravity intake pipes and the relocation		approval by applicant.
		of the pipes from Cache Slough to Lindsey Slough.		

Monitoring of Delta Contaminants	DeltaKeeper	One-year pilot study to establish baseline toxicity	\$100,000	Contract signed Sep-98
		data at 12-14 sites throughout the Delta and east-side tributaries.		Project underway.
Effects of Wetlands Restoration on Methyl Mercury Production	U.C. Davis	Yield baseline data quantifying the levels of methyl mercury production from diked and reflooded wetlands.	\$546,171	Contract signed Sep-98.
				Project underway; 1st year summary report complete.
Sedimentation Movement and Availability in the Delta	USGS	Monitor sediment transport at several sites to describe the movement of the sediment needed for habitat restoration.	\$1,046,200	Project underway. First workshop on monitoring held Feb-00. Contract extended to June 30, 2001.
Contaminant Effects on Smelt	U.C. Davis	Two-year study will evaluate contaminant effects on smelt by quantifying the overall health, condition, and growth rate of smelt collected from various sites.	\$437,236	Contract signed Nov-98.
				Project underway.

Title	Applicant(s)	Description	Funding	Status
Jepson Prairie Preserve Restoration	Solano County	Three-year program will restore shaded riverine	\$244,801	Contract signed Jan-99.
	Farmlands and	aquatic habitat along portions of Barker Slough		Plans complete; restoration underway.
	Open Space Fdn.	and Calhoun Cut, restore perennial grasslands, and		

		design a habitat corridor connecting Jepson Prairie		
		Preserve to Prospect Island.		
Demonstration Project for Protec-	Association of Bay	First phase (design) funded. Design four small	\$270,270	Contract signed Jul-98.
tion and Enhancement of In-	Area Governments	restoration areas (Little Tinsley Island and Webb		Prelim design complete;
Channel Islands		Tract Islands).		looking for alternative
				sources of funding for
				construction.
Liberty Island Acquisition	Trust for Public	Acquire 4,750-acre Liberty Island.	\$8,577,000	Project complete.
	Land (for USFWS)			Property acquired Sept-99.
Franks Tract Recreation Area	Moffat & Nichol	First phase (design and environmental docu-	\$231,500	Initial Neg Dec circulated
Wetlands Habitat Restoration	Engineers	mentation) funded. Design four demonstration		6-99; under evaluation and
	DPR	islands along Piper Slough to restore 45 acres of		revision; design 30% comp.
	DWR	perennial aquatic habitat, shaded riverine aquatic		Applicants requesting
		habitat, and chanel island and shoal habitat.		additional funding.
Tyler Island Levee Protection and	Habitat Assessment	Create/enhance shaded riverine aquatic and tidal	\$885,202	Project complete.
Habitat Restoration Pilot Project	& Restoration	perennial aquatic habitat along 2,000 feet of		Monitoring underway.
	Team, Inc.	Georgiana Slough and along 3,000 feet of the		
		North Fork of the Mokelumne River.		

Cosumnes River Preserve Start-Up	TNC	Conduct baseline monitoring of vegetation, wild-	\$1,975,100	Contract signed Jun-99.
Stewardship and Restoration (see "Cosumnes Floodplain Acquisition and Restoration" [pg. 4])	Wildlife Conservation Board	life, avian, and fish resources.		(Project complete.)
Mokelumne River Setback Levee and Habitat Restoration	RD 2110	Construct a 3.4-mile levee set back approximately 400 feet from the existing levee.	\$365,000	Project on hold.
				TNC has purchased McCormack-Williamson Tract.

CALFED - Solicitation 2 (September 97)

Title	Applicant(s)	Description	Funding	Status
Assessing Impacts of Selenium on Restoration of the Bay-Delta Ecosystem	USGS	Three-year study evaluating selenium in the Bay-Delta to develop models useful for selenium management.	\$1,627,117	Contract signed Aug-98.
				Project underway.
Cache Slough Shaded Riverine Aquatic Habitat Enhancement	RD 2060	First phase (design) funded. Design restoration for 2,000 feet of levee bank where erosion has removed shaded riverine aquatic habitat.	\$85,000	Contract signed Jun-98.
				Topographic survey completed.
Twitchell Island Subsidence Study	DWR	First phase funded. Design and construct three large restoration pilot projects, totaling 600 acres,	\$3,583,000	Contract signed May-99.
	USGS			

	Nat. Heritage Inst.	on Twitchell Island. Develop technical design		
	Northwest Hydraulic Consultants, Inc.	recommendations for a restoration program to raise the surface level of subsided Delta islands.		
	Philip Williams & Associates, Ltd.			
Culture of Delta Smelt	U.C. Davis	Establish a functional culture system to provide	\$194,870	Project complete.
		smelt embryos, larvae, juveniles, and adults for		Summary report, Oct-99.
		laboratory testing.		
Cosumnes Floodplain Acquisition and Restoration	TNC	Acquisition of fee or easement interests on three	\$3,500,000	Project complete.
		properties (totaling 2,195 acres) contiguous to		Properties acquired
		the Preserve.		Dec-98.
Sediment Water Quality	DFG	Develop criteria for the Central Valley Regional	\$500,000	All contracts signed.
(Designated Action)	RWQCB	Water Quality Control Board to permit reuse of		Technical Advisory Panel
	Delta Protection Commission	material dredged in the Delta.		meeting regularly.
Adult Fall-Run Chinook Salmon in	DFG	Monitor upstream movement of fall-run salmon	\$285,000	Contract signed Jun-99.
the Lower San Joaquin River and		in the lower San Joaquin River and South Delta.		Project requires time
South Delta		Determine whether the installation of three tem-		extension due to delays in

		porary barriers at the head of Old River or low		obtaining equipment.
		dissolved oxygen content significantly impede upstream migration.		

Title	Applicant(s)	Description	Funding	Status
Cosumnes River Salmonid Barrier Program	Fishery Fdn. Of California (FFC)	Install fish passage structures at two summer dams in the lower Cosumnes River. Upgrade	\$188,255	Contract signed Mar-99.
		fish ladders at Granlees Dam to current DFG		Permits submitted.
		hydraulic specifications.		
Hastings Tract Fish Screen,	Hastings Island	Place fish screens on gravity intake pipes, and	\$271,250	Contract being drafted.
Phase II: Construction	Land Company	relocate the pipes from Cache Slough to		
		Lindsey Slough.		
Rhode Island Floodplain Manage-	DFG	First phase (survey) funded. Survey conditions	\$25,000	Design complete.
ment and Habitat Restoration		to determine specific improvement needs. Plan		Requesting funds for
		to improve fish and wildlife carrying capacity on		subsequent phase.
		the 67-acre island by increasing the width, height,		
		and stability of the island's breached levees.		
Stone Lakes National Wildlife	USFWS	Acquire fee title interest in one property totaling	\$1,900,000	Additional \$500,000

Refuge Acquisitions		about 500 acres.		awarded to USFWS for
				purchase; acquired Jul-00.
Fern-Headreach Tidal Perennial	Thomas Luckey	Exercise purchase option on the Fern-	\$425,000	Contract signed May-99.
Aquatic and Shaded River Aquatic		Headreach Island Complex, and commit the		Acquisition complete.
Conservation Project		entire 168-acre complex to shallow water		
		habitat (140 acres) and shaded riverine aquatic		
		habitat (28 acres).		
Cosumnes River Acquisition,	TNC	Acquire fee title interest in a 300-acre property	\$750,000	Contract signed May-99.
Restoration Planning, and Demon-	BLM	contiguous to the Cosumnes River Preserve.		Negotiations underway.
stration	Wildlife Conserva-			
	tion Board			
Biological Assessment of Green	U.C. Davis	Two-year study to determine baseline informa-	\$241,000	Contract signed Mar-99.
Sturgeon in the Sacramento-San	DFG	tion regarding the green sturgeon's biological		Project underway.
Joaquin Watershed		requirements in the watershed.		

Title	Applicant(s)	Description	Funding	Status
Watershed Restoration Strategy	Yolo Basin Fdn.	Develop a local implementation strategy for	\$244,188	Contract signed Jun-99.
for the Yolo Bypass		the ERPP's environmental restoration in the		Watershed work group is
		Yolo Bypass.		meeting.

Lower Putah Creek Watershed	Solano County	Develop a community-based watershed plan	\$100,500	EPA/NFWF cooperative
Stewardship Plan	Dept. of Environ-mental Mgt.	for lower Putah Creek.		agreement Feb-99.
				Project underway.
Lower Mokelumne River Watershed	San Joaquin County	Develop a community-based watershed plan	\$159,000	Contract signed Apr-99.
Stewardship Plan	RCD	for the lower Mokelumne River.		Workshops held; Lodi
				Winegrape Growers'
				workbook complete.
Traveling Film Festival	Independent Docu-mentary Group	Package and distribute a six-film Traveling	\$54,000	Project complete.
		Festival about Bay and Delta habitats, wildlife,		(See also Apr-99 solici-
	S.F. Public Library	and restoration.		tation, [pg. 10])
	S.F. Recreation			
	and Park Dept.			
Discover the Flyway	Yolo Basin Fdn.	Two-year program to expand curriculum and	\$49,000	Project complete.
		activities for middle school and high school		
		students, and expand trips and training sessions		
		for the general public.		
Bay-Delta Environmental Restoration Education Program	Water Education Foundation	Provide outreach to increase understanding of Bay-Delta watershed ecology.	\$40,000	Project complete.

Water Challenge 2010	S.F. Bay Model	Traveling exhibit would allow visitors to manage	\$64,500	Project complete.
	Visitor Center	Delta water for ecosystem restoration and other		(See also Apr-99 solici-
	Corps of Engineers	beneficial uses. Design phase funded.		tation, [pg. 10]).
Developing a Methodology to Accurately Simulate the Entrainment of Fish	DFG	Purchase or lease a barge, mount a pipe, pump, and flume to hold a sampling net on board the barge, and conduct sampling of one of DWR's agricultural diversion siphons on Sherman Island.	\$200,000	Contract signed Dec-99.

CALFED - Designated Actions (February 1999)				
Title	Applicant(s)	Description	Funding	Status
Prospect Island Monitoring Project (Designated Action)	DWR	Establish a baseline to be used as a guide for development and implementation of future projects. Info would also be used for adaptive management.	\$915,000	Contract being drafted.
Cosumnes River Feasibility Study (Designated Action)	Corps of Engineers	Study will identify, design, and estimate costs for environmental restoration and flood damage reduction opportunities along the Cosumnes River.	\$400,000	Working with Corps to refine Project Study Plan
	TNC			

CALFED - Solicitation 4 (April 1999)

Title	Applicant	Description	Funding	Status
Develop Fish Screen Criteria for	U.C. Davis	Evaluate performance and behavior of small	\$847,690	Contract signed Jan-00.
Native Sacramento-San Joaquin	Hydraulics Lab	Delta and upstream fishes in multi-vector flows		
Watershed Fishes (Fish Treadmill Project)		near fish screens. Develop fish screen design,		
		flow, and operational criteria that reduce impacts		
		of diversions on these species.		
East Delta Habitat Corridor	Habitat Assessment	Builds upon previously-funded project. Improve	\$1,133,000	Contract signed Nov-99.
(Georgiana Slough)	& Restoration Team	habitat conditions along 14 miles of Georgiana		
		Slough. (Enhance existing berms, restore and		
		enhance tidal freshwater marsh, remove exotic		
		vegetation from berms and replace with native		
		species, expand monitoring program initiated on		
		Tyler Island under earlier CALFED grant [see pg. 3]).		
Understanding Tidal Marsh	University of	Builds upon previously-funded project (Predict-	\$1,073,513	Contract being drafted.
Processes and Patterns	Washington	ing Evolution ... Functions of Diked Wetlands		
		[see pg. 1]). Conceptual model developed in earlier		
		project will be extended to Suisun Marsh and San		

		Pablo Bay/North Bay. Provide critical information		
		on whether restoration of diked wetlands would		
		provide natural wetland functions to support		
		shallow-water habitat and rehabilitate food web.		
Cosumnes-Mokelumne Paired	U.C. Davis Center	Develop a demonstration monitoring and assess-	\$1,592,396	Contract signed Jan-00.
Basin Studies (Linked Hydrogeo-	for Integrated	ment program for the Cosumnes and Mokelumne		
morphic Ecosystem Models to	Watershed Science	Rivers. Three-year study of five core areas:		
Support Adaptive Management)	and Management	hydrology, geomorphology, water quality, aquatic		
		resources, and data analysis/dissemination.		
		Baseline info would be used to test and validate		
		models guiding long-term monitoring program		
		dedicated to adaptive management.		

Title	Applicant(s)	Description	Funding	Status
Chronic Toxicity of Environmental	U.C. Davis Dept.	Measure four biological indicators (contaminant	\$693,895	Contract signed Jan-00.
Contaminants in Sacramento	of Animal Science	exposure, general condition indices, organ & repro-		
Splittail: A Biomarker Approach		ductive dysfunction, and individual-level response)		

		to evaluate the chronic effects of contaminants		
		(mercury, selenium, diazinon, organochlorine pest-		
		icides) on the health of splittail. Three-year study.		
Assessment of Pesticide Effects on Fish and Their Food Resources in the Delta	U.C. Berkeley	Three-year laboratory and field study to provide info on pesticide toxicity to resident species.	\$1,634,501	Scope approved; waiting for invoicing resolution
		Results would be put into an ecological context focusing on juvenile chinook salmon and their prey.		
Determination of the Causes of Dissolved Oxygen Depletion in the San Joaquin River	DWR	Develop database on source loads of oxygen-depleting substances, collect additional field data, and fill data gaps in existing models. Develop a management action plan to eliminate dissolved oxygen depletion in the lower San Joaquin River near Stockton during the fall. Three-year study.	\$892,400	Contract being drafted.
Dissolved Organic Carbon Release from Delta Wetlands, Part I	USGS	Study will characterize the concentration of dissolved organic carbon released from different wetland types within the Delta and by agricultural	\$1,434,449	Contract being drafted.

		activity. Data will address incorporation of organic		
		carbon into Delta food web as well as health		
		concerns associated with drinking water quality.		
Evaluation of the Potential Impacts	DWR	Evaluate how the downstream migration of adult	\$152,233	Contract being drafted.
of the Chinese Mitten Crab on the		crabs impacts the food webs of the Delta and		
Benthic Community in the Delta		northern estuary.		
Purple Loosestrife Prevention,	CA Dept. of Food	Three-year project would detect and eradicate the	\$127,473	Contract signed Oct-99.
Detection, and Control Action for	and Agriculture	small but spreading purple loosestrife infestations		
the Delta		in the Delta and nearby hydrologic units. (Part of		
		this project [\$201,306]) was funded as a Nonnative		
		Invasive Species Designated Action in July 1999; the		
		remainder of the cost is covered here.)		

Title	Applicant(s)	Description	Funding	Status
Water Challenge 2010 Exhibit	Corps of Engineers	Construction and installation of hands-on exhibit	\$52,015	Contract being drafted.
	S.F. Bay Model	allowing users to apportion water from one large		
	Visitor Center	tank into three smaller tanks (representing the		
		needs of agriculture, cities, and the environment).		

		CALFED previously funded the design phase.		
Traveling Film Festival Exhibit	Independent Documentary Group	Expand film exhibit in the Bay Area, as well as into Sacramento and other locales in the Central Valley and North Delta. CALFED funded this program in an earlier solicitation.	\$51,500	Contract being drafted.

CALFED - Designated Actions (July 1999)				
Title	Applicant(s)	Description	Funding	Status
Inundation of a Section of the Yolo Bypass to Restore Splittail and Other Native Species (Designated Action)	Nat. Heritage Inst.	First phase (baseline monitoring, alternatives analysis, and design) funded. Pilot project will inundate a portion of the Yolo Bypass, on about 5,000 acres along its eastern edge.	\$820,679	Contract being drafted.
Nonnative Invasive Species (NIS) Advisory Council (Designated Action)	USFWS	Establish a NIS Advisory Council to monitor and coordinate the efforts of the NIS program, and address issues requiring the commitment of agencies with existing NIS responsibilities.	\$50,000	Draft MOU under review.
Reducing the Risk of Importation and Distribution of Nonnative	U.C. Davis	Prevent future introductions by educating industries and representatives of adverse impacts of	\$105,466	Contract being drafted. Expect finalization soon.

Invasive Species (NIS) Through Outreach and Education (Designated Action)		releasing NIS into the environment. Outreach will be through a series of workshops, public service announcements, and development of a video, a brochure, and a NIS website.		
Zebra Mussel Detection and Outreach Program (Designated Action)	DWR	Three-year project would educate the public about zebra mussels, and establish and operate an early detection system in the Central Valley, Bay-Delta, and water storage/delivery systems.	\$100,000	Contract being drafted.

Title	Applicant(s)	Description	Funding	Status
Purple Loosestrife Prevention, Detection, and Control in the Delta and Associated Hydrologic Units (Designated Action)	CA Dept. of Food and Agriculture	Three-year project would detect and eradicate the small but spreading purple loosestrife infestations in the Delta and nearby hydrologic units.	\$201,306	Brochure complete, GIS map complete, presentations and training ongoing.
Introduced Spartina Eradication Project (Designated Action)	CA Coastal Conservancy	First phase (demonstration project) funded. Significantly reduce/eliminate 1,000 acres of Spartina in the Bay; prevent spread into new Delta restoration projects.	\$250,000	Contract signed. Project underway.

Guidebook to Prevent and Control	San Francisco	Guidebook would provide information for local	\$76,750	Contract being drafted.
Nonnative Invasive Plants in Shallow	Estuarine Inst.	control of the highest priority species of non-		Scope of services being
Water Habitats of the Bay-Delta		native plants in shallow water habitats.		prepared.
<i>(Designated Action)</i>				
Effects of Introduced Clams on the	San Francisco	Study how the introduced Asian clam has altered	\$100,490	Contract being drafted.
Food Supply of Bay-Delta Fisheries	State University	the feeding environments of native fish. Provide		Scope of services being
<i>(Designated Action)</i>		a detailed description of the status of the food web		prepared.
		and likely impediments to rehabilitation.		

CALFED - FY 2000 Projects (chosen from proposals submitted in Apr-99 solicitation)

Title	Applicant(s)	Description	Funding	Status
Canal Ranch Habitat Restoration Phase II	DFG	Ground truthing of Conceptual Habitat Mgt. Plan (June 1996) with survey data from Phase I. Incorporate results into Feasibility Level HMP, to include restoration of native vegetation, development of seasonal wetlands, and provision of public hunting and educational opportunities.	\$135,940	Contract being drafted.
Culture of Delta Smelt Phase II & III	U.C. Davis	Spawning and rearing of larval smelt, using	\$431,606	Contract being drafted.

(see pg. 4)

culture system developed during Phase I (see pg. 4). Evaluate parameters of temperature and rearing-tank size on smelt performance.

Title	Applicant(s)	Description	Funding	Status
Liberty Island Acquisition and Restoration Phase I	USFWS	Purchase the two remaining privately-owned properties on Liberty Island (181 + 268 acres), conduct restoration planning for Liberty Island, implement restoration plan and monitoring plan.	\$2,623,043	Contract being drafted.
(see pg. 3)				
McCormack-Williamson Tract Phase II Restoration Planning	DWR	Design and environmental documentation for M-W Tract restoration project.	\$365,650	Contract being drafted.
McCormack-Williamson Tract Phase II Monitoring Program	U.C. Davis	Conduct historic research and baseline studies necessary for restoration planning and development of monitoring program for M-W Tract project.	\$572,886	Contract being drafted.
(see above)				
Dissolved Organic Carbon Release from Delta Wetlands, Part II	USGS	Part I funded by CALFED focused on quality of organic carbon (OC) released from wetlands.	\$1,030,000	Contract being drafted.

(see pg. 8)		Part II will examine amounts of OC released from		
		wetlands and ag operations; include mgt strategy		
		to limit introduction of OC into Delta channels.		
Biological Assessment of Green	U.C. Davis	Continuation of previously-funded CALFED	\$205,013	Contract being drafted.
Sturgeon, Phase II (see pg. 6)		study to obtain baseline information on green		
		sturgeons' biological requirements in watershed.		